

t35\_normform  
(TMEsnC8j5qmYzcDyoRLFaUpwm9izc9H9R3S)

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Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_finsub\_1 : \iota \Rightarrow \iota$  be given. Let  $k7\_normform : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_normform : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k10\_normform : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k8\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow (k8\_subset\_1 X0 X1 X2 = k3\_xboole\_0 X1 X2) \quad (1)$$

Assume the following.

$$\forall X0. m1\_subset\_1 (k7\_normform X0) (k1\_zfmisc\_1 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k3\_xboole\_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \wedge (X3 \in X1))) \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k5\_finsub\_1 (k7\_normform X0))) \Rightarrow (\forall X2. (m1\_subset\_1 X2 (k5\_finsub\_1 (k7\_normform X0))) \Rightarrow (k10\_normform X0 X1 X2 = k8\_subset\_1 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0)) (k7\_normform X0) (ReplSep2 (toset (\lambda X3 : \iota. m2\_subset\_1 X3 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0)) (k7\_normform X0))) (\lambda X3 : \iota. toset (\lambda X4 : \iota. m2\_subset\_1 X4 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0)) (k7\_normform X0))) (\lambda X3 : \iota. \lambda X4 : \iota. (X3 \in X1) \wedge (X4 \in X2)) (\lambda X3 : \iota. \lambda X4 : \iota. k1\_normform (k5\_finsub\_1 X0) (k5\_finsub\_1 X0) X3 X4)))))) \end{aligned} \quad (4)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. (m2\_subset\_1 X1 (k2\_zfmisc\_1 (k5\_finsub\_1 \\ & X0) (k5\_finsub\_1 X0)) (k7\_normform X0)) \Rightarrow (\forall X2. (m2\_subset\_1 \\ & X2 (k2\_zfmisc\_1 (k5\_finsub\_1 X0) (k5\_finsub\_1 X0)) (k7\_normform \\ & X0)) \Rightarrow (\forall X3. (m1\_subset\_1 X3 (k5\_finsub\_1 (k7\_normform X0))) \Rightarrow \\ & (\forall X4. (m1\_subset\_1 X4 (k5\_finsub\_1 (k7\_normform X0))) \Rightarrow \\ & (((X1 \in X3) \wedge ((X2 \in X4) \wedge (k1\_normform (k5\_finsub\_1 X0) (k5\_finsub\_1 \\ & X0) X1 X2 \in k7\_normform X0))) \Rightarrow (k1\_normform (k5\_finsub\_1 X0) (k5\_finsub\_1 \\ & X0) X1 X2 \in k10\_normform X0 X3 X4)))))) \end{aligned}$$